ZyXEL

Next Generation Modem for Triple-play Services

- **IP-based VDSL2 Internet Access**
- **Support 3/4/5/6 Bands***
- **Ultra-high Speed Upstream/Downstream Rates at Up to 100/100 Mbps**
- **Support Quality of Service (QoS) Features**

Benefits

Ultra-high Data Rate at Up to 100 Mbps

With up to 100 Mbps* for downstream and upstream bandwidths, the P-870M-I v2 Series offers higher data transfer rates and provides higher bandwidth than traditional ADSL gateways. A higher bandwidth allows small to medium business users to enjoy quality symmetric and asymmetric applications and home users can enjoy smooth media-rich entertainment which was previously unavailable.

Advanced QoS for Triple Play Services

The inherent advanced QoS features of VDSL2 makes P-870M-I v2 Series to be an idea access modem for service provider to deliver "triple play" multimedia services such as high-quality digital video streams, high-speed Internet access, and voice services which are competitive to the services provided by cable and satellite operators. Besides, with the Triple Play QoS, end users can enjoy the video-on-demand, on-line gaming, and E-learning with high-quality performance in the household.

Operate Over Existing Copper Wires

Telecom carriers can generate revenues by offering bundled services to successfully compete with what cable operators have to offer. A single network can be maintained to provide complete DSL services with minimal installation time and expense.

Co-exist with POTS, ISDN and Digital Phone Services

VDSL2 can be implemented quickly, even if there is only one phone line. You can still keep existing POTS or ISDN services while adding new VDSL services.

VDSL2 Modem

P-870M-I v2 SERIES

VDSL2 | Bridge Mode | 10/100 802.3u

VDSL

ZyXEL

Specifications

System Specifications

VDSL Compliance

- Duplex Method: DMT
- One VDSL Line
- Ethernet over VDSL
- G.993.1 VDSL
- G.993.2 VDSL2 (Profile 8a, 8b, 8c, 8d, 12a, 12b,17a and 30a support)*
- Band Plan 997 and 998 support
- Support 3/4/5/6 band*
- Support Up to 100 Mbps downstream and 100 Mbps upstream*
- LR-VDSL2 support
- Power back-off

Support

- IEEE 802.3u
- Flow control in full duplex mode
- Back pressure in half duplex mode
- 802.11d transparent bridging
- 802.1P QoS, 4 queues support

Hardware Specifications

- VDSL: One RJ-11 or RJ-45 port
- LAN: One 10/100 Auto MDI/MDIX Ethernet Port
- RJ-11 Console Port
- Status LEDs indicator

Physical Specifications

- Dimensions: 189 (W) x 132 (D) x 40 (H) mm
- Weight: 265 g

Power Requirements

- 9 V AC 1000 mA
- Power supply: 120 V/230 V/240 V

Environmental Specifications

- Operating temperature: 0°C ~ 40°C
- Operating humidity: 20% ~ 85% (non-condensing)
- Storage temperature: -20°C ~ 60°C
- Storage humidity: 20% ~ 90% (non-condensing)
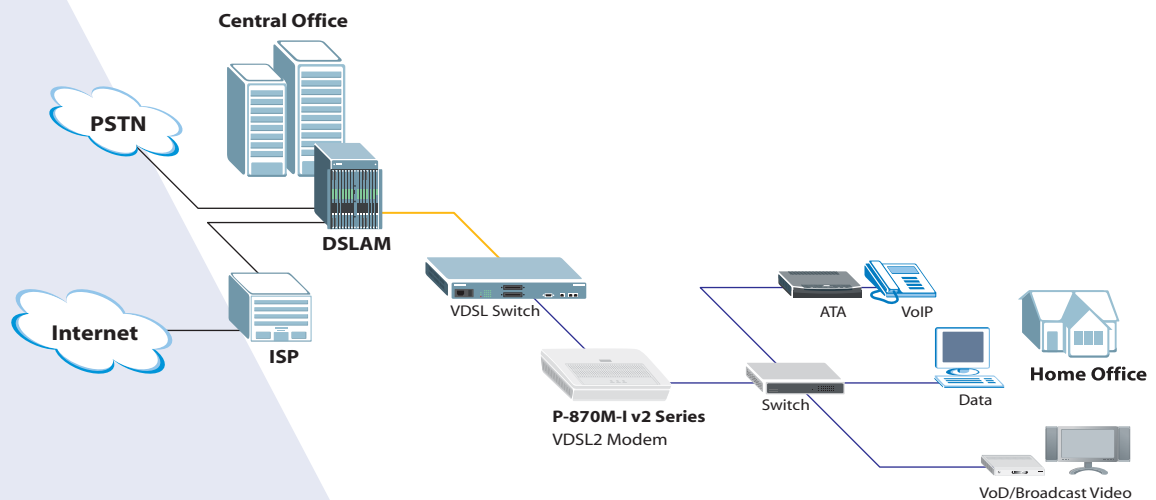
Certification

EMC

- FCC Part 15 Class B
- EN 55022 Class B
- EN 55024 Class B

Safety

- CAN/CSA-C22.2 No. 60950-1-03
- ANSI/UL Std No 60950-1, 1st Ed.
- EN 60950-1, 1st Ed.
- IEC 60950-1, 1st Ed.

* 100/100 Mbps support upon request

Application Diagram

Central Office

PSTN

DSLAM

Internet

ISP

VDSL Switch

P-870M-I v2 Series VDSL2 Modem

Switch

ATA

VoIP

Data

Home Office

VoD/Broadcast Video

For more product information, visit us on the web www.ZyXEL.com

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